

Amendments to the Claims

Claims 1 – 82 cancelled

83. (original) A transformer device comprising:
a single core comprising a substantially rectangular- shaped magnet having four sides, wherein each side is a section of the rectangular-shaped magnet;
two primary windings, each primary winding mounted on the core on opposing sides of the magnet; and
two secondary windings, each secondary winding mounted on the core on one of the same opposing sides of the magnet.

84. (original) The transformer device as claimed in claim 83, wherein the power through the transformer is balanced between the two opposing sides.

85. (original) The transformer as claimed in claim 83, further comprising a tertiary winding mounted on each of the two primary windings.

86. (original) The transformer as claimed in claim 83, further comprising an insulating compound between each pair of the primary and secondary windings.

87. (original) The transformer as claimed in claim 83, wherein the two primary windings are coupled in parallel.

88. (original) The transformer as claimed in claim 85, wherein the two tertiary windings are coupled in parallel.

89. (original) A transformer device for an X-ray generating device, comprising:
a single core comprising a substantially rectangular- shaped magnet having four sides, wherein each side is a section of the rectangular-shaped magnet; two primary windings, each primary winding mounted on the core on opposing sides of the magnet;
and

two secondary windings, each secondary winding mounted on the core on one of the same opposing sides of the magnet.